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10/612,832 Examiner

Lei Yao, Ph.D.

Applicant(s)/Patent under Reexamination

STEIN ET AL.

Art Unit

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|--------------|----------|----------|--|----------|----------|----------|----------|----------------|-----------------|----------|----------|----------|------------|----------|----------|----------|----------|-----------------|----------|----------|--------------|----------|----------|-------|------------|------|--|--------------|----------|----------|----------|----------|----------|-----------------|--|--|
|              | _        | <b>"</b> |  |          |          |          |          |                |                 |          | Γ        |          |            |          |          |          |          |                 |          |          | $\top$       |          |          |       | ,          |      |  |              |          |          |          |          |          |                 |  |  |
| Final        | Original | 11/1/06  |  |          |          |          |          |                |                 |          |          | Final    | Original   |          |          |          |          |                 |          |          |              |          | '        | Final | Origina    |      |  |              |          |          |          |          |          |                 |  |  |
| 這            | Ĕ        | =        |  |          |          |          |          |                |                 |          |          | iĒ       | Ę          |          |          |          |          |                 |          |          |              | -        | i        | 谎     | Öriç       |      |  |              |          |          |          |          |          |                 |  |  |
|              |          |          | Ш  |          |          |          |          |                | Ш               |          | L        |          |            |          |          |          |          |                 |          |          | $\perp$      | _        | L        |       |            |      | L  |              |          |          |          |          |          | Ш               |  |  |
|              | 1        | 1        | Ш  |          |          |          |          | Ш              |                 | $\Box$   | L        |          | 51         | Ш        |          |          |          |                 | $\perp$  |          |              | _        | L        |       | 101        |      | _  |              |          |          |          |          |          | Ш               |  |  |
|              | 2        |          | Ш  | _        | _        |          |          |                |                 | _        | L        |          | 52         |          |          |          | _        |                 | _        |          | 4            | _        | L        |       | 102        |      | _  |              |          |          |          |          |          | Ш               |  |  |
|              | <u> </u> |          | Ш  |          |          |          |          |                | Ш               |          | L        |          | 53         |          | Ш        | _        | _        |                 | _        | _        |              | _        | <u> </u> |       | 103        |      | _  | <u> </u>     | _        |          |          | _        | _        | Ш               |  |  |
| <u> </u>     | 1        |          |  | _        | _        |          |          | $\square$      |                 | _        | L        |          | 54         |          |          | _        | _        | _               | _        | _        | _            | 4        | ┡        | _     | 104        |      | <u> </u>   |              |          |          |          |          | _        | Ш               |  |  |
|              | <u> </u> | ٠,       | Н  | 4        | -        |          | H        |                |                 | _        | -        |          | 55         | $\vdash$ |          |          |          |                 | $\dashv$ | -        | +            | 4        | <u> </u> | _     | 105        |      | -  | -            |          |          |          | -        | _        | $\vdash \vdash$ |  |  |
|              | 6        | 1        | $\vdash$   |          | $\dashv$ |          |          | Н              | $\square$       | $\dashv$ | -        |          | 56         | Н        | -+       | -        |          |                 | -        | +        | -            | -1       | F        |       | 106<br>107 |      | ├-   |              | -        |          | _        |          | -        | $\vdash$        |  |  |
| <u> </u>     | 7        | 1        | $\vdash$   | -        | $\dashv$ |          |          | Н              | -               | $\dashv$ | -        |          | 57<br>58   | H        | -        |          | -        |                 | -        | +        |              | -        | -        | _     | 107        |      |  | -            | -        | _        | -        | -        | -        | $\dashv$        |  |  |
| ├            | 8        | N        | H  |          | $\dashv$ |          |          | Н              | Н               | $\dashv$ | $\vdash$ |          | 59         |          |          | -        | -        | $\dashv$        | -        | +        |              | -        | -        |       | 109        |      | -  | $\vdash$     | _        |          | -        |          | -        | <del> </del>    |  |  |
|              | 10       | N        | -  | -+       |          |          | -        | Н              | Н               | $\dashv$ | ⊢        |          | 60         | H        | $\vdash$ | -        | $\dashv$ |                 | -        | +        |              | -1       | -        |       | 110        |      | $\vdash$   | $\vdash$     | -        | _        | $\vdash$ | $\dashv$ | $\dashv$ | $\vdash$        |  |  |
| -            | 11       | 1        | $\vdash$   | $\dashv$ | $\dashv$ |          |          | Н              | Н               | $\dashv$ | $\vdash$ |          | 61         | -        | -        | -        | $\dashv$ | -               | $\dashv$ | +        | -+           | $\dashv$ | -        |       | 111        |      | ┢  | -            | _        | _        | _        | -        | -        | $\vdash$        |  |  |
|              | 12       | N        | $\vdash$   | $\dashv$ | $\dashv$ |          | H        | Н              | $\vdash$        | $\dashv$ | -        | -        | 62         | -        | $\vdash$ |          | -        |                 | -        | -+       | $\dashv$     | $\dashv$ | -        |       | 112        |      |  |              |          | -        | -        | _        | -        | $\vdash$        |  |  |
|              | 13       | N        | $\vdash$   | ┪        | ᅱ        |          | H        | Н              | H               | ᅱ        | -        |          | 63         | $\vdash$ | $\vdash$ | -        | $\dashv$ | $\vdash$        | +        | $\dashv$ | +            | $\dashv$ | -        |       | 113        |      |  |              |          | $\vdash$ | -        |          | $\dashv$ | <del>   </del>  |  |  |
| <u> </u>     | 14       | N        |  | _        | $\neg$   |          |          | Н              | $\vdash$        | $\dashv$ |          | _        | 64         | $\Box$   | $\vdash$ | $\dashv$ | $\neg$   |                 | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\vdash$ |       | 114        |      | <del>                                     </del> |              |          |          | -        | $\neg$   | -        | $\sqcap$        |  |  |
|              | 15       | 1        |  |          |          |          |          | Н              | Н               | $\dashv$ |          |          | 65         | П        | $\Box$   |          |          |                 | $\neg$   | $\dashv$ | $\dashv$     | $\dashv$ |          |       | 115        |      |  |              |          |          |          |          | _        | $\Box$          |  |  |
|              | 16       | V        | H  |          |          |          |          | П              | П               | ヿ        |          |          | 66         |          | П        |          |          |                 |          | $\dashv$ | $\top$       | ┪        | r        |       | 116        |      | Γ  | П            |          |          |          |          |          |                 |  |  |
|              | 17       | 1        | $\Box$   |          |          |          |          | П              |                 |          |          |          | 67         |          |          |          |          |                 |          |          | $\Box$       | 7        |          |       | 117        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 18       | V        | 1  |          |          |          |          |                | П               |          |          |          | 68         |          |          |          |          |                 |          |          |              | 1        |          |       | 118        |      |  |              |          |          | ٠        |          |          |                 |  |  |
|              | 19       | N        |  |          |          |          |          |                |                 |          |          |          | 69         |          |          |          |          |                 |          |          |              |          |          |       | 119        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 20       | N        |  |          |          |          |          |                |                 |          |          |          | 70         |          |          |          |          |                 |          |          |              |          |          |       | 120        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 21       | Ν        |  |          |          |          |          |                |                 |          |          |          | 71         |          |          |          |          |                 |          |          | $\bot$       |          |          |       | 121        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 22       | N        |  |          |          |          |          |                |                 |          |          |          | 72         |          |          |          |          |                 |          |          |              |          | L        |       | 122        |      |  |              |          |          |          |          | $\Box$   | Ш               |  |  |
|              | 23       | N        | Ш  |          |          |          |          |                |                 | _        | L        | _        | 73         |          |          | _        |          |                 | _        |          | $\perp$      | _        | L        |       | 123        |      | _  |              |          |          |          |          |          |                 |  |  |
|              | 24       | N        |  | _        | _        |          |          |                |                 | _        | L        |          | 74         |          |          | _        |          |                 | _        | 4        | $\perp$      | 4        | $\vdash$ |       | 124        |      | L  | _            | _        |          |          | _        | _        | Ш               |  |  |
| L            | 25       | N        | $\sqcup$   |          | _        |          |          | Ш              | Ш               | $\dashv$ | $\perp$  |          | 75         | Ш        |          | _        |          |                 |          |          | 4            | 4        | $\vdash$ | _ ·   | 125        |      | ╙  |              |          |          |          |          |          | $\dashv$        |  |  |
|              | 26       | N        | $\sqcup$   | -        | -        |          |          | Н              | Н               | 긕        |          | -        | 76         | Ш        | $\vdash$ | -        |          |                 | 4        |          | -            | 4        | ⊢        |       | 126        |      | ╙  |              |          | _        |          | _        |          | $\vdash$        |  |  |
|              | 27       | N        | Н  |          |          |          |          | Н              | Н               | $\dashv$ | -        |          | 77         |          | -        | -        |          |                 | -        | -+       | -            | -        | -        |       | 127        |      | ⊢  | <u> </u>     |          | _        |          | _        | _        |                 |  |  |
|              | 28       | N √      | -  | -+       | $\dashv$ |          | $\vdash$ | Н              |                 |          | -        |          | 78<br>79   |          | -        | $\dashv$ | $\vdash$ |                 | $\dashv$ | +        | -            | $\dashv$ | $\vdash$ |       | 128<br>129 |      | ├  |              |          | -        |          |          | -        | $\dashv$        |  |  |
|              | 30       | 1        | $\vdash$   |          |          |          | -        |                | Н               | ᅱ        | ⊢        | $\dashv$ | 80         | Н        | $\vdash$ | $\dashv$ | $\dashv$ |                 | $\dashv$ | $\dashv$ | ┽            | $\dashv$ | -        | _     | 130        |      | -  | -            |          | -        |          | $\dashv$ | -        | $\vdash$        |  |  |
| <del> </del> | 31       | Ľ        | $\vdash$   | +        | $\dashv$ |          | $\vdash$ | Н              | Н               | $\dashv$ | ⊢        | -        | 81         | Н        | $\dashv$ | -        | -        |                 |          | -+       | 十            | -        | -        | 7     | 131        |      | ┢  | $\vdash$     |          |          |          | $\dashv$ |          |                 |  |  |
|              | 32       | -        | <del>                                     </del> |          | ┪        |          | -        | Н              | $\vdash$        | $\dashv$ | ⊢        |          | 82         |          | $\vdash$ | $\dashv$ | $\dashv$ | $\exists$       | -        | $\dashv$ | +            | $\dashv$ | -        |       | 132        |      | -  | ┢            |          |          |          | $\dashv$ | -        | $\vdash$        |  |  |
|              | 33       | _        | $\vdash$   | 7        | $\dashv$ | _        | Н        | Н              |                 | -        | F        | -        | 83         |          | Н        | $\dashv$ |          |                 | $\dashv$ | 7        | $\dashv$     | ┨        | $\vdash$ | -     | 133        |      |  | <u> </u>     |          |          | -        | -        |          | $\sqcap$        |  |  |
|              | 34       | $\vdash$ | $\vdash$   | _        |          |          | $\vdash$ | H              | $\vdash \vdash$ | ㅓ        |          |          | 84         |          |          | $\neg$   | $\neg$   |                 | $\dashv$ | $\dashv$ | $\dashv$     | 7        |          |       | 134        |      | $\vdash$   | Т            |          |          | -        | $\dashv$ | _        | $\sqcap$        |  |  |
|              | 35       | l        |  | _        | $\neg$   |          |          |                |                 | $\neg$   |          |          | 85         |          | П        | $\dashv$ |          |                 | 寸        | $\dashv$ | _            | ٦.       |          |       | 135        | _    | T  | $\vdash$     |          | _        |          | _        |          | $\sqcap$        |  |  |
|              | 36       | Ι –      | $\Box$   | T        | $\neg$   |          | П        | М              |                 | $\dashv$ | r        |          | 86         |          |          |          |          |                 | $\neg$   | 寸        | $\dashv$     | 7        |          |       | 136        |      | _  | Г            | Г        | _        |          | _        | _        | $\sqcap$        |  |  |
|              | 37       |          |  |          |          |          |          | П              |                 | $\neg$   |          |          | 87         |          |          |          |          |                 |          |          |              | 7        |          |       | 137        |      |  | Π            |          |          |          |          |          |                 |  |  |
|              | 38       |          |  |          |          |          |          |                |                 |          |          |          | 88         |          |          |          |          |                 |          |          |              |          | Г        |       | 138        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 39       |          |  |          |          |          |          |                |                 |          |          |          | 89         |          |          |          |          |                 |          |          |              |          |          |       | 139        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 40       |          |  | ╝        |          |          |          |                |                 |          |          |          | 90         |          |          |          |          |                 |          |          | $oxed{oxed}$ |          |          |       | 140        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 41       |          |  |          |          |          |          |                |                 |          |          |          | 91         |          |          |          |          |                 |          |          |              |          |          |       | 141        |      |  |              |          |          |          |          |          |                 |  |  |
|              | 42       |          | П  | $\Box$   | $\Box$   |          |          |                |                 | _        |          |          | 92         |          |          |          |          |                 | $\Box$   | $\Box$   | $\bot$       | _        |          |       | 142        |      |  | L            |          |          |          |          |          |                 |  |  |
|              | 43       | _        | Ш  | _        |          |          |          | Ш              | Ш               |          | L        |          | 93         | L        |          |          |          |                 | _        |          | _            | _        | L        |       | 143        |      | _  |              |          | L        | Ш        |          |          | Ш               |  |  |
|              | 44       |          | $\sqcup$   | _        |          |          | <u> </u> | Щ              | Ш               | $\Box$   | L        |          | 94         | $\sqcup$ | Ш        | _        | Щ        | $\Box$          | _        | _        | $\dashv$     | _        | _        |       | 144        |      | <u> </u>   | <u> </u>     | <u> </u> | <u> </u> |          | _        |          | Ш               |  |  |
|              | 45       | <u> </u> | $\sqcup$   | _        | _        |          | _        | Щ              | $\sqcup$        |          | -        |          | 95         |          | Ш        | _4       |          |                 | _        |          | 4            | 4        | $\perp$  |       | 145        | L.,  | <u> </u>   | _            | _        | _        | <u> </u> | $\Box$   |          | $\square$       |  |  |
| <u> </u>     | 46       | -        | $\sqcup$   | 4        | _        | <u> </u> |          | $\vdash$       | Н               | 4        | -        |          | 96         |          | Н        | _        | Щ        |                 | -        | 4        | $\dashv$     | 4        | -        |       | 146        |      | <u> </u>   | <u> </u>     | <u> </u> | ļ.,      | Щ        |          | _        | $\vdash \vdash$ |  |  |
| <u> </u>     | 47       | -        |  |          |          |          | _        | $\vdash\vdash$ | $\vdash$        | $\dashv$ | -        |          | 97         |          | $\vdash$ | -        |          | $\vdash$        | $\dashv$ | -        | -            | $\dashv$ | -        | _     | 147        | _    | <b> </b>   | <u> </u>     | <u> </u> | <u> </u> | _        | -        |          | $\vdash$        |  |  |
| <u> </u>     | 48       | -        | $\vdash \vdash$                                  |          |          |          | -        | Н              | $\vdash$        |          | -        |          | 98         | <u> </u> | $\vdash$ | $\dashv$ |          | $\vdash$        | $\dashv$ |          | $\dashv$     | $\dashv$ | -        | _     | 148        |      | $\vdash$   | <del> </del> | -        | <u> </u> | $\vdash$ |          | _        | $\vdash \vdash$ |  |  |
| <u> </u>     | 49<br>50 | -        |  |          | -        |          | -        | $\vdash\vdash$ | Н               | $\dashv$ | · v      |          | 99<br>100  |          | Н        |          | $\vdash$ | $\vdash \vdash$ | $\dashv$ |          | $\dashv$     | -        | $\vdash$ | _     | 149<br>150 |      | $\vdash$   | ├            | $\vdash$ | <u> </u> | $\vdash$ | $\dashv$ |          |                 |  |  |
| <u> </u>     | 30       | l        | لــا   |          |          | ليسا     | L        | لـــا          |                 |          | L        |          | 100        | L        | Щ        |          |          | Ш               |          |          |              |          | _        |       | 130        |      |  | L            | Ц.       | Ц        | ட        | Ш        |          | لـــا           |  |  |